BRUHATH BENGALURU MAHANAGARA PALIKE

Yelahanka Zone

Estimated cost Rs 28.40 Lakhs

Name of Work:- Construction of compound wall and other Development works to Indira Kitchen at 9th main Adithyanagara in ward No 03, Attur.

S.N	Description of item's	Unit	No	L	B	D	Qty	Rate	Amount
1	Hire charges of JCB Excavator P.No xxxxvi/ Item No. 23/ PWD SR 2016-17	Days	8				8.00	6720.00	53760.00
2	KSRRB 300-1.Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH chapter 3.P.No 142/ Item No. 19.1/ PWD SR 2016-17	Cum							
	Kitchen Surrounding levelling:-Back Side		1	22.50	5.50	0.25	30.94		
	L/side		1	17.20	7.20	0.25	30.96		
	R/side		1	17.20	3.60	0.25	15.48		
	Front		1	22.50	10.20	0.25	57.38		
	Drain Desilting		2	40.00	0.45	0.35	12.60		
	Berm cutting		2	40.00	0.70	0.15	8.40		
							155.75	86.92	13538.01
	Basic Rate	82.00							
	Area Weightage @ 6%	4.92							
	Total	86.92							
3	KSRRB M300-53 : Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications including cost of gravell/murrum,watering charges & compaction by vibratory roller to 95% of proctors density. MORTH Specification No. 305. (Page No. 148 & Item No. 19.60)	Cum							
	Kitchen Surrounding levelling:-Back Side		1	20.60	4.50	0.30	27.81		
	L/side		1	23.40	6.20	0.30	43.52		
	R/side		1	23.40	3.00	0.30	21.06		
	Front		1	10.60	6.20	0.30	19.72		
	Main Entry Approach		1	10.60	3.00	0.25	7.95		
							120.06	320.12	38433.61
	Basic Rate	302.00							
	Area Weightage @ 6%	18.12							
	Total	320.12							
4	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2016-2017	cum							
	Compound wall Foundation :-Left		1	30.60	0.90	0.80	22.03		
	Right		1	29.50	0.90	0.80	21.24		

	Back		1	19.70	0.90	0.80	14.18		
	Front		1	6.35	0.90	0.80	4.57		
			1	3.35	0.90	0.80	2.41		
	Drain		2	40.00	1.00	0.60	48.00		
	Culvert		1	7.50	1.20	0.80	7.20		
	Toilet Pit, Kitchen Waste Water Pit,Rain water pit		3	1.80	1.80	1.80	17.50		
							137.14		
	Drain Desilting		2	40.00	0.45	0.35	12.60		
							124.54	299.98	37358.31
	Basic Rate	283.00							
	Area Weightage @ 6%	16.98							
	Total	299.98							
5	KSRB 2.10: Providing sand cement bed with 5% cement with all leads for all materials and lift of 1.5 m. machine mixed, laid in layers of 15cms. thick and well compacted for foundation, including curing cost of materials labour and HOM complete as per specifications. specification. No. KBS (P.61.2.17 PW, P & IWTD -SR 2016-2017)	Cum							
	Compound wall Foundation :-Left		1	30.60	0.90	0.15	4.13		
	Right		1	29.50	0.90	0.15	3.98		
	Back		1	19.70	0.90	0.15	2.66		
	Front		1	6.35	0.90	0.15	0.86		
			1	3.35	0.90	0.15	0.45		
	Kitchen Surrounding Concreting:-Back Side		1	20.60	4.50	0.15	3.09		
	L/side		1	23.40	6.20	0.15	3.51		
	R/side		1	23.40	2.90	0.15	3.51		
	Front		1	20.20	6.20	0.15	18.79		
	Main Entry Approach		1	20.20	3.00	0.15	9.09		
							50.07	3287.06	164578.16
	Basic Rate	3101.00							
	Area Weightage @ 6%	186.06							
	Total	3287.06							
6	KSRB 4-1.3:Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180kgs. with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed,machine mixed,concrete laid in layers not exeeding 15cms.thick, well compacted in foundation,including cost of all materials,labour,HOM of machinery,curing complete as per specifications.Specification no KBS4.1,4.2(Item no 4.3,Page no12,PWD SR 2016-17)	Cum							
	Compound wall Foundation :-Left		1	30.60	0.90	0.15	4.13		
	Right		1	29.50	0.90	0.15	3.98		
	Back		1	19.70	0.90	0.15	2.66		
	Front		1	6.35	0.90	0.15	0.86		
			1	3.35	0.90	0.15	0.45		
	Drain		2	40.00	0.90	0.15	10.80		
	Culvert		1	7.50	1.10	0.15	1.24		
	Toilet Pit, Kitchen Waste Water Pit,Rain water pit		3	1.20	1.20	0.15	0.65		
	Kitchen Surrounding Concreting:-Back Side		1	20.60	4.50	0.15	3.09		
	L/side		1	23.40	6.20	0.15	3.51		
	R/side		1	23.40	2.90	0.15	3.51		
	Front		1	20.20	6.20	0.15	18.79		

	Main Entry Approach		1	20.20	3.00	0.15	9.09		
							62.75	5159.02	323749.14
	Basic Rate	4867.00							
	Area Weightage @ 6%	292.02							
	Total	5159.02							
7	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (Page No. 23/ Item No. 5.6)	Cum							
	Foundation 1st Footing :-Left		1	30.60	0.90	0.35	9.64		
	Right		1	29.50	0.90	0.35	9.29		
	Back		1	19.70	0.90	0.35	6.21		
	Front		1	6.35	0.90	0.35	2.00		
			1	3.35	0.90	0.35	1.06		
	2nd Footing :-Left		1	30.30	0.75	0.35	7.95		
	Right		1	29.20	0.75	0.35	7.67		
	Back		1	20.00	0.75	0.35	5.25		
	Front		1	6.50	0.75	0.35	1.71		
			1	3.50	0.75	0.35	0.92		
	3rd Footing :-Left		1	30.00	0.60	0.45	8.10		
	Right		1	28.90	0.60	0.45	7.80		
	Back		1	20.30	0.60	0.45	5.48		
	Front		1	6.65	0.60	0.45	1.80		
			1	3.65	0.60	0.45	0.99		
							75.85	4438.22	336644.53
	Basic Rate	4187.00							
	Area Weightage @ 6%	251.22							
	Total	4438.22							
8	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.22/1.5.9 PW, P & IWTD -SR 2016-2017)	Cum							
	Basement :-Left		1	29.80	0.50	0.35	5.22		
	Right		1	28.70	0.50	0.35	5.02		
	Back		1	20.50	0.50	0.35	3.59		
	Front		1	6.75	0.50	0.35	1.18		
			1	3.75	0.50	0.35	0.66		
							15.66	5305.30	83094.26
	Basic Rate	5005.00							
	Area Weightage @ 6%	300.30							
	Total	5305.30							
9	KSRB 15.1.1: Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.(Page No.113/Item No. 15.1)	Sqm							
	Basement outside:-Left		1	29.80		0.30	8.94		

Right		1	28.70		0.30	8.61		
Back		1	21.50		0.30	6.45		
Front		1	7.25		0.30	2.18		
		1	4.25		0.30	1.28		
						27.45	102.82	2822.41
Basic Rate	97.00							
Area Weightage @ 6%	5.82							
Total	102.82							
KSRRB 4.1.6Providing and laying in position plain cement concrete mix 1:2:4 with cement @240kgs,with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15cms thick well compacted,in foundation,plinth and cills,including cost of all materials, labour, HOM of machineries, curing complete as per specifications.Specification no 4.1,4.2 (Page.12 & Item No. 4.6)								
Basement Coping:-Left		1	29.80	0.50	0.10	1.49		
Right		1	28.70	0.50	0.10	1.44		
Back		1	20.50	0.50	0.10	1.03		
Front		1	6.75	0.50	0.10	0.34		
		1	3.75	0.50	0.10	0.19		
Solid Block wall Coping:-Left		1	29.60	0.15	0.10	2.96		
Right		1	28.50	0.15	0.10	2.85		
Back		1	21.00	0.15	0.10	2.10		
Front		1	7.00	0.15	0.10	0.70		
		1	4.00	0.15	0.10	0.40		
Fencing Vertical MS Poles concretings		4	0.45	0.45	0.90	0.73		
Front		1	10.60	6.20	0.12	7.89		
Main Entry Approach		1	20.20	3.00	0.12	7.27		
						29.37	5767.46	169404.00
Basic Rate	5441.00							
Area Weightage @ 6%	326.46							
Total	5767.46							
KSRB 5-14: Providing and constructing precast concrete solid blocks with compressive strength not less than 35Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (P25/5.27.2)	Sqm							
Compound walls:-Left		1	29.60		1.50	44.40		
Right		1	28.50		1.50	42.75		
Back		1	21.00		1.50	31.50		
Front		1	7.00		1.50	10.50		
		1	4.00		1.50	6.00		
Compond Wall Pillars		38	0.20		1.50	11.40		
						146.55	880.86	129090.00
Basic Rate	831.00							
Area Weightage @ 6%	49.86							
Total	880.86							

12	KSRB 15.3.1Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherver required smooth rendering, : Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications and direction of the Engineer in charge.for Outside Plastering (P113/15.11)	Sqm							
	Compound wall Out Side:-Left		1	29.60		1.80	53.28		
	Right		1	28.50		1.80	51.30		
	Back		1	21.30		1.80	38.34		
	Front		1	7.15		1.80	12.87		
			1	4.15		1.80	7.47		
	Compound wall Out Side:-Left		1	29.60	0.15		4.44		
	Right		1	28.50	0.15		4.28		
	Back		1	21.30	0.15		3.20		
	Front		1	7.15	0.15		1.07		
			1	4.15	0.15		0.62		
	Compond Wall Pillars		38	0.20	0.15		1.14		
	Compound wall InSide:-Left		1	29.30		1.60	46.88		
	Right		1	28.20		1.60	45.12		
	Back		1	21.00		1.60	33.60		
	Front		1	7.00		1.60	11.20		
			1	4.00		1.60	6.40		
	Compond Wall Pillars		76	0.20		1.60	24.32		
	Basic Rate	150.00					345.53	159.00	54938.00
	Area Weightage @ 6%	9.00							
	Total	159.00							
13	Providing external walls with textureing approved brand paint,applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading & unloading, all lead and lift and other incidental charges includings caffolding and removing stains,complete as per specification. (P125/15.103)	Sqm							
	Compound wall Out Side:-Left		1	29.60		1.80	53.28		
	Right		1	28.50		1.80	51.30		
	Back		1	21.30		1.80	38.34		
	Front		1	7.15		1.80	12.87		
			1	4.15		1.80	7.47		
	Compound wall Out Side:-Left		1	29.60	0.15		4.44		
	Right		1	28.50	0.15		4.28		
	Back		1	21.30	0.15		3.20		
	Front		1	7.15	0.15		1.07		
			1	4.15	0.15		0.62		
	Compond Wall Pillars		38	0.20	0.15		1.14		
	Compound wall InSide:-Left		1	29.30		1.60	46.88		
	Right		1	28.20		1.60	45.12		
	Back		1	21.00		1.60	33.60		
	Front		1	7.00		1.60	11.20		
			1	4.00		1.60	6.40		
	Compond Wall Pillars		76	0.20		1.60	24.32		
	Basic Rate	288.00					345.53	305.28	105482.00
	Area Weightage @ 6%	17.28							
	Total	305.28							

14	KSRB 14.6-1: Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS (P.No 101, I.No 14.6)	Sqm							
	Kitchen Surrounding levelling:-Back Side		1	20.60	4.50		92.70		
	L/side		1	23.40	6.20		145.08		
	R/side		1	23.40	2.90		67.86		
	Front		1	20.20	6.20		125.24		
							430.88		
	Concreting Portion		1	10.60	6.20		65.72		
							365.16	966.72	353007.48
	Basic Rate	912.00							
	Area Weightage @ 6%	54.72							
	Total Rs	966.72							
15	Fabricating,providing and erecting in position of MS Hot dip galvanized sq.Hallow poles of 132X132 Heavy guage of lenth 3000mm with MS Hot dip galvanized grill work as per approved design and drawing of chief architect.Using 12X75mm galvanized flat for alround frame and 20mmX20mm galvanized forged design with suare for vertical at 150mm c/c as shown in the drawing etc as per specifications and directions of the engineer in charge of the work.(Approved data rate)	Sqm							
	Fencieng :-Front		1	9.50		1.50	14.25		
							14.25		
	Gates		1	6.00		1.50	9.00		
							5.25	12475.03	65493.91
16	Supplying and fixing M.S. Rectangular Poles made but of 2 equal angles of 65 x 65 x 6 mm welded together and fixed inCC (1:2:4) with 2 Nos. 16 mm dia M. S. hold fast rods each of length 25 cms, including cost of all materials, cutting, bending scafolding etc as per specifications. (P.No 37.2, 255)	Rmtr							
			4			2.40	9.60		
							9.60	868.14	8334.14
	Basic Rate	819.00							
	Area Weightage @ 6%	49.14							
	Total Rs	868.14							
17	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and weldin (Page No 32, I.No 7.90)	Kgs							
	Gate		1	6.00		1.50	9.00		
					(21kg/3.90)		189.00	82.68	15626.52

	Basic Rate	78.00							
	Area Weightage @ 6%	4.68							
	Total Rs	82.68							
18	KSRB 15-20.1 : Providing and applying floor painting with ready mix paint in two coats (exluding priming coat) on new concrete / asbestos cement sheet / plastered surfaces brushing to give an even shade after preparing the surface after throughly cleaning oil, dirt, dust other foreign matter and sand papering including cost of materials, labour, complete as per specifications Page No 131, Item No 15.83)	Sqm							
	Fencieng :-Front		2	9.50		1.50	28.50		
	Gates		2	3.00		1.50	9.00		
							37.50		
	Gates		2	3.00		1.50	9.00		
							28.50	53.00	1510.50
	Basic Rate	50.00							
	Area Weightage @ 6%	3.00							
	Total Rs	53.00							
19	Providingd cement concrete pipe NP2 FOR Culverts including pointing ends and fixing collars with cement mortor 1:2 including cost of materials labour curing complete as per specifications 900mm dia (254/34.7.7.2016-2017)	Rmtr							
			3			1.80	5.40		
							5.40	3852.04	20801.02
	Basic Rate	3634.00							
	Area Weightage @ 6%	218.04							
	Total Rs	3852.04							
20	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc., Page No.3 item No.4.2 PRED SR2016-2017).	Rmtr							
	75mm Dia 6 KSC		1	18.00			18.00	166.42	2996.00
	Basic Rate	157.00							
	Area Weightage @ 6%	9.42							
	Total	166.42							
21	KSRRB M100-1 Loading and un loading of stone boulder/Stone aggregates/sand/kanker/Moorum.KSRRB M100-1:Placing tipper at loading point,loading with front end loader,dumping,turning for return trip,excluding time for haulage and return trip complete as per specifications(Item no17.1,Page no130,PWD SR 2016-17)	Cum							
			Vide Item No. 1+4				280.29	72.08	20203.00
	Basic Rate	68.00							
	Area Weightage @ 6%	4.08							
	Total	72.08							

22	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming etc as per specification&direction of the engineer incharge of work (pwd sr2016-17,p.no13,sno4.11)	Cum							
	For Bottom Concrete:-Culvert		1	7.50	1.00	0.20	1.50		
	Drain		2	40.00	0.90	0.15	10.80		
	Side walls:-Culvert		2	7.50	0.20	0.70	2.10		
	Drain		4	40.00	0.15	0.55	13.20		
	For Culvert deck slab		1	7.50	1.00	0.23	1.73		
	Approach concrete		2	7.00	0.75	0.10	1.05		
							30.38	6371.66	193539.00
	Basic Rate	6011.00							
	Area Weightage @ 6%	360.66							
	Total	6371.66							
23	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per specifications.Specification noKBS 4.6.3,TMT bars Fe550(pwd sr2016-17,p.no17,s.no4,46)	Tonne,s							
	0.0095tonne,s / cum						2.79	59413.00	165517.00
	Basic Rate	56050.00							
	Area Weightage @ 6%	3363.00							
	Total	59413.00							
24	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters, bittresses,buttresses plinth and string course including cost of all materials,labour complete asperspecificationS.Specification no.KBS 4.6.2 (pwd sr2016-17 p.no15/4.31)	Sqm							
	Side walls		8	40.00		0.55	176.00		
			4	7.50		0.90	27.00		
	Basic Rate	293.00					203.00	310.58	63048.00
	Area Weightage @ 6%	17.58							
	Total	310.58							
25	Providing and fixing Precast RCC Slabs as Per approved design, specification and Direction Engineer-in-Charge. (Approved Data Rate).	Sqm							
	Drain		2	40.00	0.75		60.00		
	Pits		3	1.20	1.20		4.32		
							64.32	2100.00	135072.00
								Total RS	2558041.00
								KRIDL Charges 10%	255804.00
								Labour cess 1%	25580.41

33	Miscellaneous charges	L/S							463.10
								Grand Total RS	2840000.00
(Rupees Twenty Eight Lakh Fourty Thousand Only)									

CERTIFICATE :-

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2016-17
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Executive Engineer
Yelahanka Division

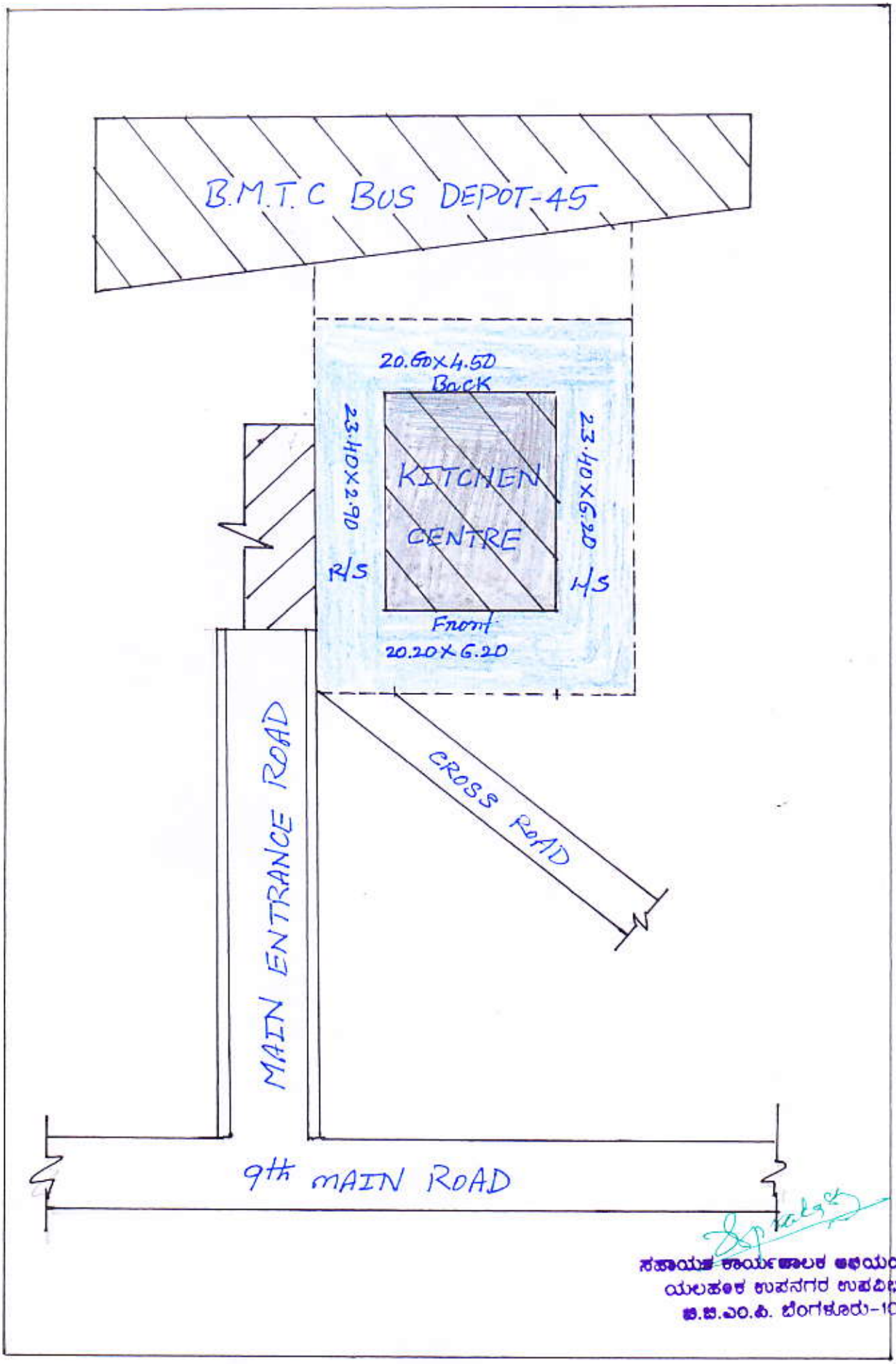
Assistant Executive Engineer
Yelahanka satellitetown Sub Division

Administrative Approval
Accorded For 28.40 lakhs
Head of A/C P3106
CER NO :AS|02|18-19 Dt:30|05|18

TA CE (YNK)

Technical Sanction
Accorded For 28.40 lakhs
Head of A/C P3106
CER NO :AS|02|18-19 Dt:30.05.18

TA CE (YNK)



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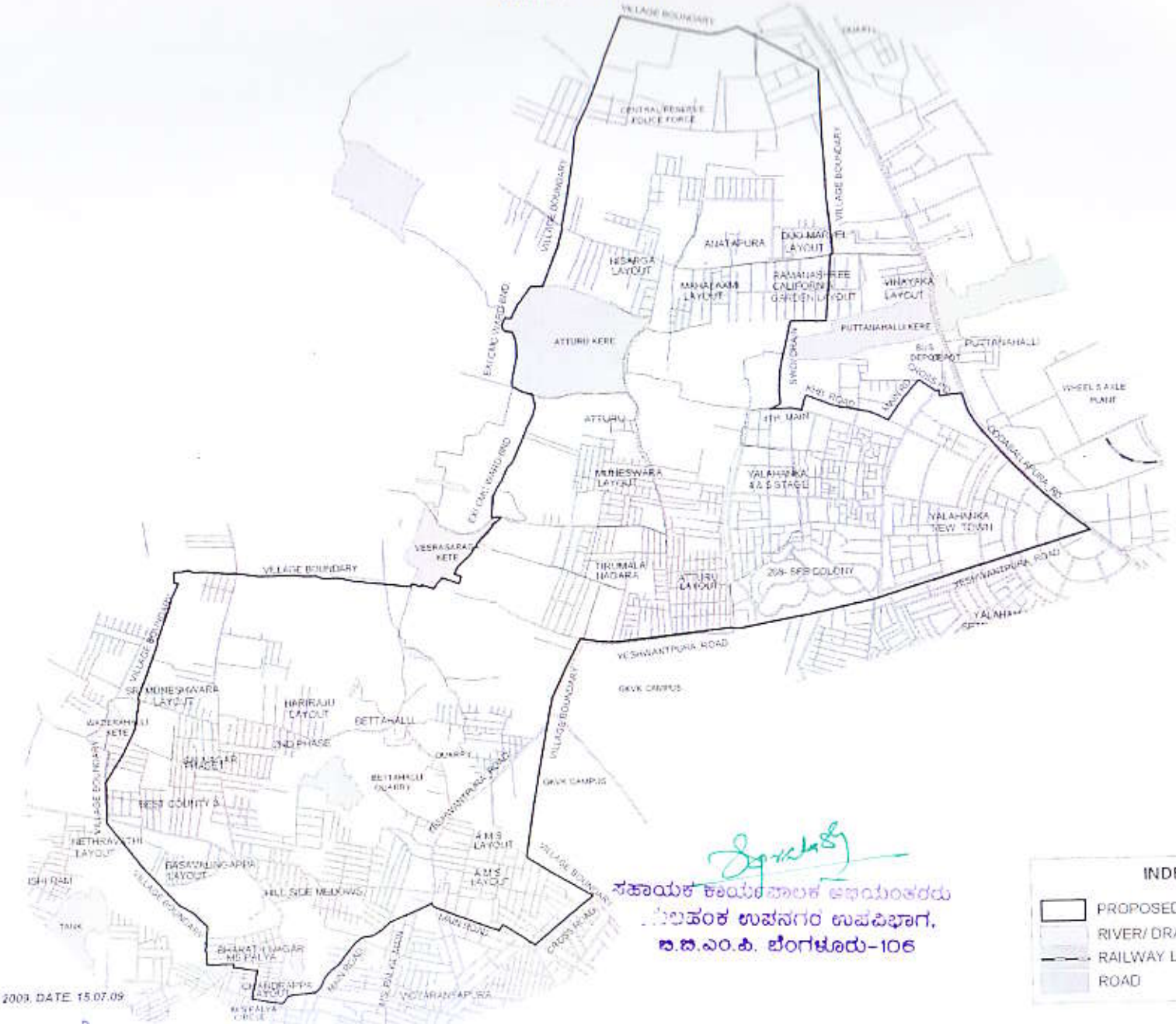
150 - YELAHANKA AC

BRUHAT BANGALORE MAHANAGAR PALIKE
WARD: 3- ATTURU



NOTIFICATION NO. UDD 59 MLR 2009, DATE: 15.07.09

ಸಹಾಯಕ ಕಂದಾಯ ಪಾಲಕ ಅಧಿಕಾರಿಗಳು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬ.ಬ.ಎಂ.ಕ. ಬೆಂಗಳೂರು-106